

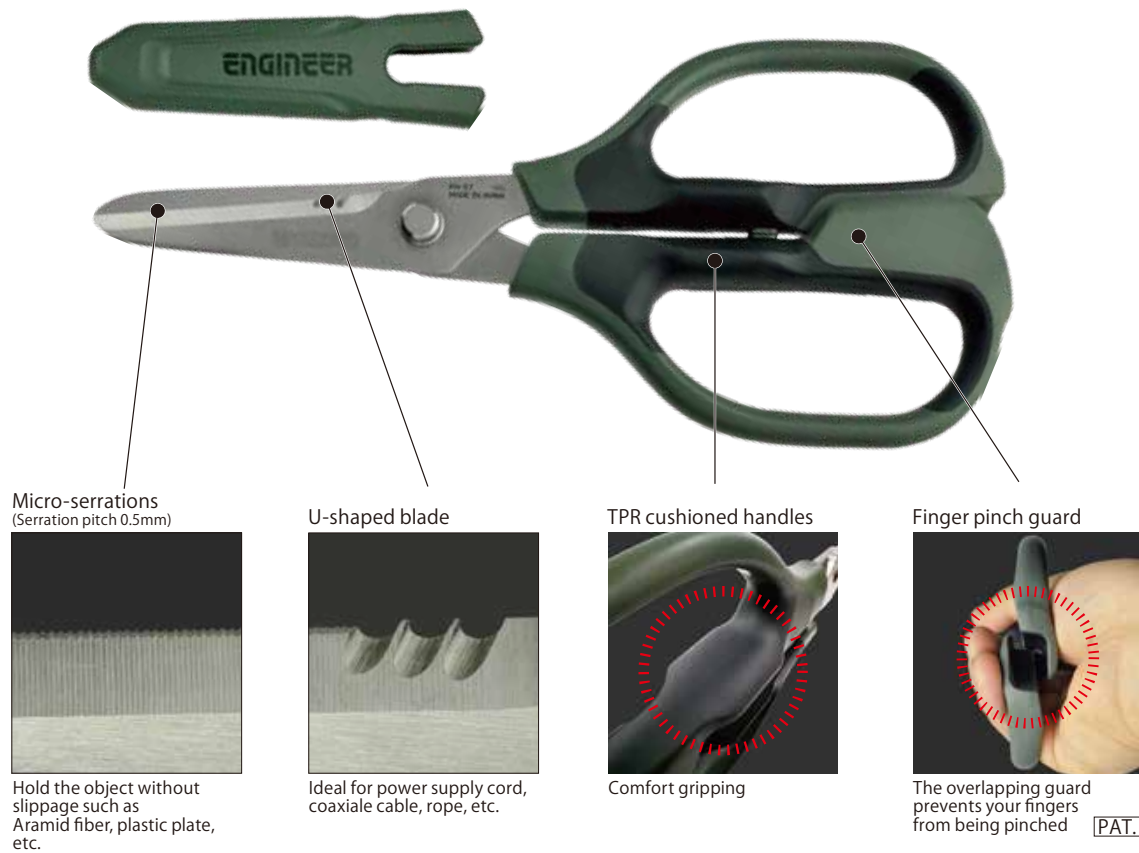


Scissors

PH-57

COMBINATION SCISSORS DP

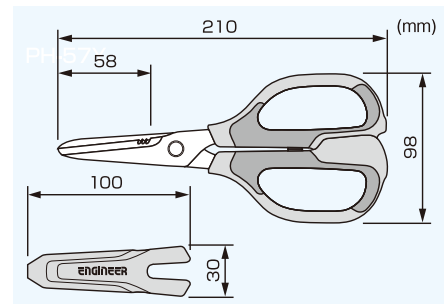
- 2-in-1 anti-slip serrations and U-shaped blade
- 3mm-thick durable blades, made of stainless steel



Cutting capacity (Reference only)



※ Do not apply Copper or Steel wire to the Micro-serration to keep the life of main blades.
 ※ Heat-treated or specially-hardened wire is not applicable for cutting. It may damage the blades.



Item No.	Size	Hardness	Material	Wgt.
PH-57	210mm	HRC56 \pm 2	Blades: Stainless Steel Handles: ABS & TPR Cap: ABS	136g

SCREW
REMOVAL

SCISSORS

NIPPERS

PLIERS

CRIMPING
STRIPPING

TWEEZERS

SCREW
DRIVERSSPECIAL
DRIVERS

WRENCHES

CUTTING
PROCESSINGSETS
CASESSOLDERING
EQUIPMENTESD
CHEMICALS

PH-56R•PH-56G•PH-56Y**COMBINATION SCISSORS MP**

- 2-in-1 anti-slip serrations and U-shaped blade
- 2.5mm-thick blades, made of stainless steel

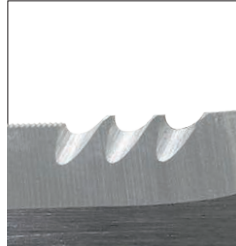


Nano-serrations
(Serration pitch 0.3mm)



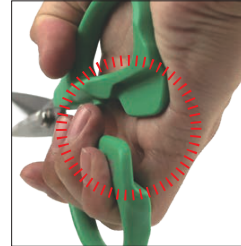
Hold the object without slippage such as Aramid fiber, plastic plate, etc.

U-shaped blade



Ideal for power supply cord, coaxial cable, rope, etc.

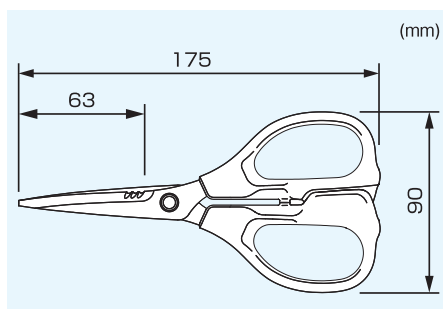
Finger pinch guard



The overlapping guard prevents your fingers from being pinched **[PAT.]**

Cutting capacity (Reference only)

※ Do not apply Copper or Steel wire to the Micro-serration to keep the life of main blades.
 ※ Heat-treated or specially-hardened wire is not applicable for cutting. It may damage the blades.

Color variations

Item No.	Size	Hardness	Material	Wgt.
PH-56R	175mm	HRC56+2	Blades: Stainless Steel Handles: ABS	75g
PH-56G				
PH-56Y				

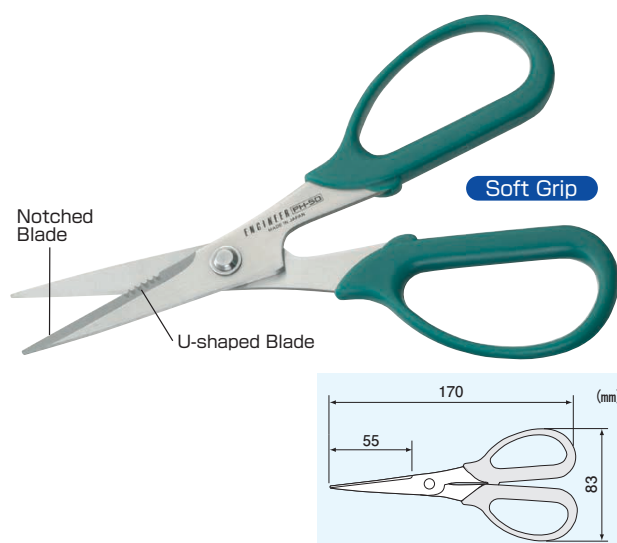
PH-50



COMBINATION SCISSORS

2-in-1 Unique cutting blade

- Trimming various objects which you could not cut with ordinary scissors such as nylon fiber, cabtire cord, etc.
- Fine and flush cut of copper wire or conductor in finishing even compared with the counterparts cut with cutting pliers
- Ideal for professional electricians as well as for hobby use.



Notched Blade



Trimming Nylon or Kevlar fiber without slipping

Notched blades prevent the object from slipping



PH-50 Notched Blade Cutting Capacity

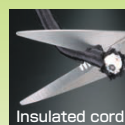
Nylon/Kevlar fiber	Various types
Copper braided wire	Various types
Aluminum/Copper sheet	0.5mm max.
Plastic plate / PET	1.0mm max.

U-shaped Blade



U-shaped notches hold cord firmly

Sharp cut against insulated cord with rubber or cotton braided



PH-50 U-shaped Blade Cutting Capacity

Copper wire	φ1.5mm max.
Cabtire cord	Various types
Cotton braided cord	Various types
Cotton insulated cord	Various types

*Do not use U-shaped blade for cutting Aluminum or Copper sheet, which may damage the blade.

Item No.	Size	Hardness	Material	Wgt.
PH-50	170mm	HRC54±2	Handles:PE Blades:Stainless Steel	58g

PH-55



COMBINATION SCISSORS GT

4-in-1 Blade combination, Compact Body to Generate More Force!!

- Cut various materials cleanly
- Safely-designed and comfortable handles
- Blade cap with vent & drain holes
- Rust proof stainless steel body
- Applicable to professional users and hobbyist

Micro-serration
(Serration pitch 1.0mm)

Holds the object without slipping

Flat Blade



Smooth cutting not only of cloth but also of paper

Finger Pinch Guard



The overlapping guard prevents your fingers being pinched in the handles.
[PAT.]

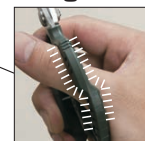
Anti-slip Handle



You can grasp the outer rim of the handles safely when the work requires a strong grip.



S-shaped Design



Wire Cutter



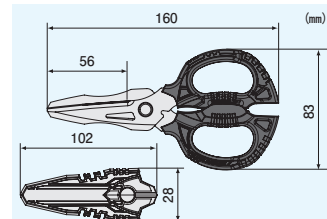
Handy cutting blades for copper or steel wire

Safety Box Opener



Convenient to open carton boxes with ease

Cutting Capacity (Reference)			
Micro-serration			Wire Cutter
Rope	Cabtire cord	Cotton insulated	Copper wire
φ10mm	φ9mm	φ8mm	φ1.6mm
Leather belt	CD-Card	Carpet	Wire
4mm thick	1.2mm thick	5mm thick	φ1.2mm



Item No.	Size	Hardness	Material	Wgt.
PH-55	160mm	HRC56±2	Cap & Handles:PBT Blades:Stainless Steel	120g

*Do not apply Copper or Steel wire to the Micro-serration to keep the life of main blades.
*Heat-treated or specially-hardened wire is not applicable for cutting. It may damage the blades.

SCREW REMOVAL

SCISSORS

NIPPERS

PLIERS

CRIMPING STRIPPING

TWEEZERS

SCREW DRIVERS

SPECIAL DRIVERS

WRENCHES

CUTTING PROCESSING

SETS CASES

SOLDERING EQUIPMENT

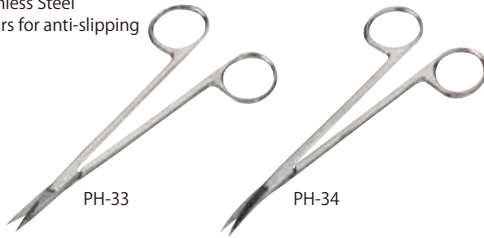
ESD CHEMICALS

PH-33•34



ELECTRONIC SNIPS

- Ideal for delicate cutting for PCB related work.
- PH-33 (straight)/PH-34 (curved)
- Length: 145mm
- Material: Stainless Steel
- Serrated shears for anti-slipping

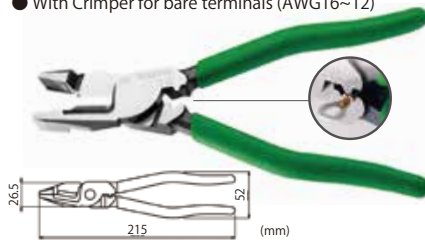


PZ-79



SHEAR PLIERS

- Cuts PVC insulated 3-core wire easily with one hand.
- Cross-hatched jaws to hold a thin plate, tie band, etc.
- Vertically-serrated screw extractor inside the jaws
- With Crimper for bare terminals (AWG16~12)



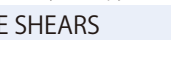
Flat cable, PVC sheathed



Side Cutter PZ-79



Shear cutting in the center



2-way Non-slip jaws

PK-50•51

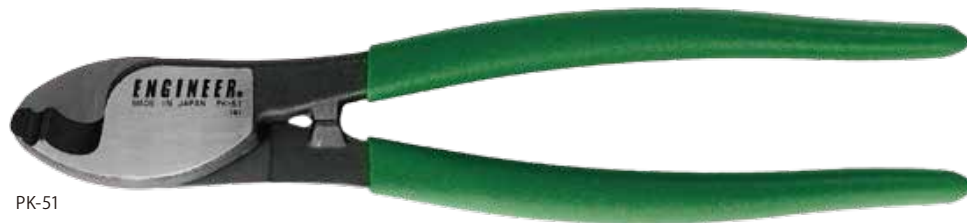


CABLE SHEARS

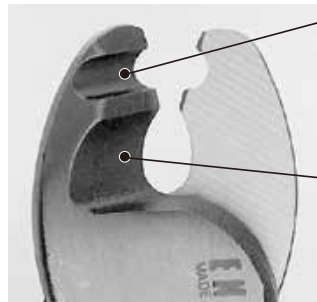
- Makes a fine cut surface owing to the curved blades
- High leverage for easy operation



PK-50



PK-51



■ Foremost Blades

Wire cutter suitable for copper wires

■ Main Blade (Rearmost)

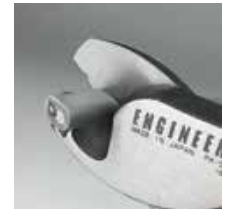
Curved blades suitable for insulated cables, make a fine cut surface.
Flat cables, Coaxial cables, Power supply cords, LAN cables, etc. are also applicable.



Vinyl Insulated



Cable Tie



Flat Cable



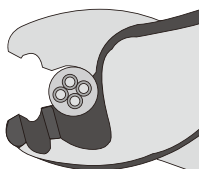
Coaxial Cable

Comparison of Cut Surface

Cable Shears



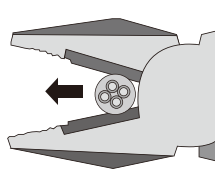
The curved blades can hold a cable securely and the shears mechanism enables you to make a cut surface finely.



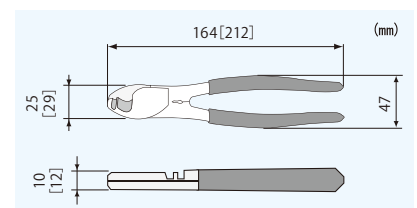
Conventional Pliers



The pressure given from flat blades crushes a cable or it may slip sideways.



Item No.	Size	Hardness	Cutting Capacity		Wgt.
			Vinyl insulated Cable	Flat Cable	
PK-50	164mm	HRC58±4	9mm outside diameter	22 mm ²	φ2.0mm×2core
PK-51	212mm	HRC58±4	11mm outside diameter	38 mm ²	φ2.0mm×3core



[]:PK-51